

Comparisons of Job Characteristics

Focus Occupation: [Medical Assistants \(31-9092\)](#)

Associated Occupation: [Medical and Clinical Laboratory Technicians \(29-2012\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 47

Focus Occupation: Medical Assistants (31-9092)

Associated Occupation: Medical and Clinical Laboratory Technicians (29-2012)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Chemistry	4.8	17.5	4.4	<< Extensive education and/or training may be required
Customer and Personal Service	11.3	12.9	13.7	0 Current knowledge level may be sufficient
Medicine and Dentistry	3.7	12.8	12.5	0 Current knowledge level may be sufficient
Biology	3.7	12.3	2.9	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 71

Focus Occupation: Medical Assistants (31-9092)

Associated Occupation: Medical and Clinical Laboratory Technicians (29-2012)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Science	4.5	10.8	5.8	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	9.5	7.1	<< Extensive development of skills in this area may be required
Quality Control Analysis	5.9	8.9	5.1	<< Extensive development of skills in this area may be required
Equipment Maintenance	3.5	7.4	1.0	<< Extensive development of skills in this area may be required
Troubleshooting	4.5	7.3	4.1	<< Extensive development of skills in this area may be required
Equipment Selection	3.3	6.4	1.3	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 87			
Focus Occupation: Medical Assistants (31-9092) Associated Occupation: Medical and Clinical Laboratory Technicians (29-2012)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Finger Dexterity	7.6	11.0	7.5	<<	Extensive improvement in abilities may be required
Flexibility of Closure	7.8	9.8	8.0	<	Some improvement in abilities may be required
Visual Color Discrimination	6.4	9.3	6.6	<<	Extensive improvement in abilities may be required
Perceptual Speed	7.4	9.1	8.2	<	Some improvement in abilities may be required
Number Facility	6.3	8.7	6.1	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 79
Focus Occupation: Medical Assistants (31-9092) Associated Occupation: Medical and Clinical Laboratory Technicians (29-2012)		
Work Activities	Exclusivity of Activity	
Calculate medical diagnostic test results	89	
Conduct medical laboratory tests	87	
Draw blood	74	
Prepare sample for laboratory testing, analysis, or microscopy	74	
Set up or calibrate laboratory equipment	78	
Use clinical sterilizing technique	71	
Use knowledge of medical terminology	40	
Use medical lab techniques	81	
Use sanitation practices in health care settings	48	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 79

Focus Occupation: Medical Assistants (31-9092)
Associated Occupation: Medical and Clinical Laboratory Technicians (29-2012)

Tools and Technologies	Exclusivity
Autoclave and sterilizer equipment and accessories	12
Clinical and diagnostic analyzers and accessories and supplies	18
Computer printers	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Finance accounting and enterprise resource planning ERP software	2
Industry specific software	1
Information exchange software	1
Injection and aspiration needles and accessories	25
Laboratory centrifuges and accessories	13
Laboratory microscope slides and supplies	20
Pipettes and liquid handling equipment and supplies	16
Specimen collection and transport containers and supplies	14
Surgical support supplies	33
Syringes and accessories	14
Test Tubes	26
Viewing and observing instruments and accessories	4

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.